

# Coronavirus Disease 2019 (COVID-19)

## Surveillance and Data Analytics

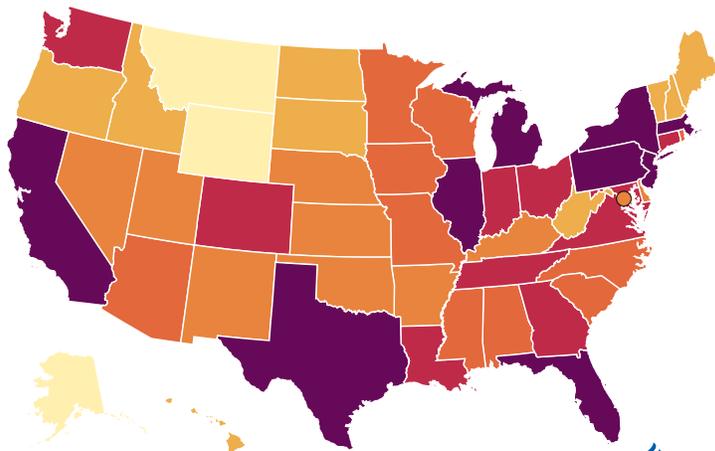
*Get and Keep America Open: Supporting states, tribes, localities, and territories*

The latest in COVID-19 data and surveillance.

### Key Concepts

- **Report COVID-19 cases.** CDC has developed a form that provides a standardized approach to reporting COVID-19 cases (individuals with at least one respiratory specimen that tested positive for the virus that causes COVID-19). These data are needed to track the impact of the outbreak and inform public health response.
- **Monitoring COVID-19 cases.** COVID-19 surveillance draws from a combination of data sources from existing influenza and viral respiratory disease surveillance, syndromic surveillance, case reporting, commercial lab reporting, ongoing research platforms, and other new systems designed to answer specific questions. These systems combined create an updated, accurate picture of SARS-COV-2 spread and its effects in the United States and provide data used to inform the U.S. national public health response to COVID-19.

### States Reporting Cases of COVID-19 to CDC\*



#### Reported Cases

- 0 – 566
- 3310 – 5227
- 11891 – 28764
- 619 – 2579
- 5730 – 10923
- 29229 – 303129

AS GU MH FM MP PW PR VI



#### Jurisdictions

Jurisdiction	Cases	Deaths	Community Transmission
<input type="radio"/> <a href="#">Alabama</a>	7,294	289	Yes, defined area(s)
<input type="radio"/> <a href="#">Alaska</a>	364	9	Yes, defined area(s)
<input type="radio"/> <a href="#">American Samoa</a>	0	0	N/A
<input type="radio"/> <a href="#">Arizona</a>	7,962	330	Yes, widespread

<input type="radio"/> <a href="#">Arkansas</a> 	3,310	64	Yes, widespread
<input type="radio"/> <a href="#">California</a> 	50,442	2,073	Yes, widespread
<input type="radio"/> <a href="#">Colorado</a> 	15,668	820	Yes, widespread
<input type="radio"/> <a href="#">Connecticut</a> 	28,764	2,339	Yes, widespread
<input type="radio"/> <a href="#">Delaware</a> 	4,918	159	Yes, widespread
<input type="radio"/> <a href="#">Washington D.C.</a> 	4,658	231	Undetermined
<input type="radio"/> <a href="#">Florida</a> 	34,728	1,314	Yes, widespread
<input type="radio"/> <a href="#">Georgia</a> 	27,733	1,167	Yes, widespread
<input type="radio"/> <a href="#">Guam</a> 	146	5	Yes, widespread
<input type="radio"/> <a href="#">Hawaii</a> 	619	16	Yes, defined area(s)
<input type="radio"/> <a href="#">Idaho</a> 	2,035	63	Yes, widespread
<input type="radio"/> <a href="#">Illinois</a> 	56,055	2,457	Yes, widespread
<input type="radio"/> <a href="#">Indiana</a> 	18,630	1,175	Undetermined
<input type="radio"/> <a href="#">Iowa</a> 	7,884	170	Yes, widespread
<input type="radio"/> <a href="#">Kansas</a> 	4,449	130	Yes, defined area(s)
<input type="radio"/> <a href="#">Kentucky</a> 	4,879	248	Undetermined
<input type="radio"/> <a href="#">Louisiana</a> 	28,711	1,970	Yes, widespread
<input type="radio"/> <a href="#">Maine</a> 	1,123	55	Yes, widespread
<input type="radio"/> Marshall Islands	0	0	N/A
<input type="radio"/> <a href="#">Maryland</a> 	23,472	1,192	Yes, widespread
<input type="radio"/> <a href="#">Massachusetts</a> 	64,311	3,716	Yes, widespread
<input type="radio"/> <a href="#">Michigan</a> 	42,356	3,866	Yes, widespread
<input type="radio"/> <a href="#">Micronesia</a> 	0	0	N/A
<input type="radio"/> <a href="#">Minnesota</a> 	5,730	371	Yes, widespread
<input type="radio"/> <a href="#">Mississippi</a> 	7,212	281	Yes, widespread
<input type="radio"/> <a href="#">Missouri</a> 	7,835	337	Yes, widespread
<input type="radio"/> <a href="#">Montana</a> 	453	16	Yes, defined area(s)
<input type="radio"/> <a href="#">Nebraska</a> 	4,838	73	Yes, widespread
<input type="radio"/> <a href="#">Nevada</a> 	5,227	254	Yes, widespread
<input type="radio"/> <a href="#">New Hampshire</a> 	2,310	81	Yes, widespread
<input type="radio"/> <a href="#">New Jersey</a> 	121,190	7,538	Yes, widespread
<input type="radio"/> <a href="#">New Mexico</a> 	3,513	131	Yes, widespread
<input type="radio"/> <a href="#">New York</a> 	303,129	23,673	Yes, widespread
<input type="radio"/> <a href="#">North Carolina</a> 	10,923	399	Yes, widespread
<input type="radio"/> <a href="#">North Dakota</a> 	1,107	23	Yes, defined area(s)
<input type="radio"/> <a href="#">Northern Marianas</a> 	14	2	Undetermined
<input type="radio"/> <a href="#">Ohio</a> 	18,743	1,002	Yes, defined area(s)
<input type="radio"/> <a href="#">Oklahoma</a> 	3,748	230	Yes, widespread
<input type="radio"/> <a href="#">Oregon</a> 	2,579	104	Yes, widespread

<input type="radio"/> <a href="#">Palau</a> 	0	0	N/A
<input type="radio"/> <a href="#">Pennsylvania</a> 	46,971	2,354	Yes, defined area(s)
<input type="radio"/> <a href="#">Puerto Rico</a> 	1,575	94	Undetermined
<input type="radio"/> <a href="#">Rhode Island</a> 	8,962	279	Yes, widespread
<input type="radio"/> <a href="#">South Carolina</a> 	6,258	256	Yes, defined area(s)
<input type="radio"/> <a href="#">South Dakota</a> 	2,525	21	Yes, defined area(s)
<input type="radio"/> <a href="#">Tennessee</a> 	11,891	204	Yes, defined area(s)
<input type="radio"/> <a href="#">Texas</a> 	29,229	816	Yes, defined area(s)
<input type="radio"/> <a href="#">Utah</a> 	4,828	46	Yes, widespread
<input type="radio"/> <a href="#">Vermont</a> 	879	50	Yes, widespread
<input type="radio"/> <a href="#">Virgin Islands</a> 	66	4	Yes, defined area(s)
<input type="radio"/> <a href="#">Virginia</a> 	16,901	581	Yes, widespread
<input type="radio"/> <a href="#">Washington</a> 	14,637	824	Yes, widespread
<input type="radio"/> <a href="#">West Virginia</a> 	1,151	47	Yes, defined area(s)
<input type="radio"/> <a href="#">Wisconsin</a> 	7,314	327	Yes, widespread
<input type="radio"/> <a href="#">Wyoming</a> 	566	7	Yes, defined area(s)

## Resources from CDC

For surveillance of COVID-19 and its cause, SARS-CoV-2, in the United States, CDC is using multiple surveillance systems run in collaboration with state, local and territorial health departments, public health, commercial and clinical laboratories, vital statistics offices, health care providers, emergency departments and academic partners to monitor COVID-19 disease in the United States.

- [COVIDView Weekly Summary](#). This CDC report provides a weekly summary and interpretation of key indicators that have been adapted to track the COVID-19 pandemic in the United States.
- [Cases in U.S.](#) This page is updated daily. Numbers close out at 4 p.m. the day before reporting.
- [Hospitalization Rates](#). CDC monitors lab-confirmed COVID-19 hospitalizations, risk factors, and outcomes of those hospitalized each week.
- [Mortality Reporting](#). CDC provides provisional death counts for COVID-19 and pneumonia based on death certificates with updates Monday-Friday.
- [Information for Reporting Cases](#). To prevent further spread of SARS-CoV-2 and to collect information to better understand the virus and its impact on health outcomes, CDC has developed a form that provides a standardized approach to reporting COVID-19 cases (individuals with at least one respiratory specimen that tested positive for the virus that causes COVID-19).
- [COVID-NET Interactive](#): Interactive and downloadable data used to estimate age-specific hospitalization rates on a weekly basis and describe characteristics of



persons hospitalized with COVID-19.

National COVID-19 reporting: CDC works with state and territorial public health partners to coordinate COVID-19 case reporting nationally.

- The COVID-19 case definition is standardized with the Council of State and Territorial Epidemiologists (CSTE), which issued on April 5, 2020 an interim COVID-19 [position statement](#)   that includes a case definition and made COVID-19 a nationally notifiable disease.
- [Information for Reporting Cases](#). To better understand the virus and its impact on health outcomes, CDC has developed a form that provides a standardized approach to reporting COVID-19 cases (individuals with at least one respiratory specimen that tested positive for the virus that causes COVID-19).
  - [National Notifiable Diseases Surveillance System \(NNDSS\)](#) for case-based surveillance (which includes mechanisms to securely receive case data and share with CDC partners and technical assistance with onboarding new HL7 message mapping guides)
  - [National Syndromic Surveillance Program \(NSSP\)](#) (including Emergency Department visits for onboarded facilities and COVID-19 test orders and results for 6 major commercial laboratories)  
\*Requires an account with NSSP to access\*
  - NSSP for syndromic surveillance (which includes access to the [RShiny app](#) 
- Electronic Surveillance System for the Early Notification of Community-based Epidemics ([ESSENCE](#)) for quality-controlled line-level data for ED visits and 6 major commercial labs testing for COVID-19—including PCR and as of now IgA, IgG, and IgM as well; ESSENCE also provides advanced tools to rapidly query, visualize and analyze these data).

# Resources from Other Organizations

Content describing non-CDC tools on this site is provided for informational purposes only and is **not intended to indicate endorsement**, actual or implied, of the tools. Additionally, information on this site is provided “as is,” for users to evaluate and make their own determination as to their effectiveness.

## Private Sector, Non-governmental Organizations and Academia

Various other organizations are also supporting this critical effort by providing:

- [Google Community Mobility Reports](#)  aim to provide insights into what has changed in response to policies aimed at combating COVID-19.

### More Information

[Infection Control](#)

[Surveillance and Data Analytics](#)

[Laboratory Capacity](#)

[Contact Tracing](#)

[Community Mitigation](#)

[Staffing Resources](#)

[Financial Resources](#)

[Communication Materials](#)



Search for specific COVID-19 guidance across CDC web pages and documents